

UNITED STATES EPARTMENT OF COMMERCE **Patent and Trademark Office**

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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 09/335.618 06/18/99 **BRAND** J MIO-051-PA Г **EXAMINER** MMC1/0927 KILLWORTH GOTTMAN HAGAN & SCHAEFF LLP CHAMBLISS, A ONE DAYTON CENTRE **ART UNIT** PAPER NUMBER ONE SOUTH MAIN STREET SUITE 500 DAYTON OH 45402-2023

2814

DATE MAILED:

09/27/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

7

Office Action Summary Communication Summary		Application No.	Applicant(s)	
Examiner Air Unit Alonzo Chambilis 2814	Office Action Summary	09/335,618	Joseph M. Brand	
Period for Reply A SHORTENEO STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of the may be available under the provideos of 37 CFR 1.35 (s). In no event, however, may a reply be timely filled and the maintained to the provideos of 17 CFR 1.35 (s). In no event, however, may a reply be timely filled the provideor of the reply a specified above is less than thirty (30) days, a reply within the statutory minimum or thirty (30) days will be considered timely. If No period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failute to reply within the set or extended partiod for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Status (Responsive to communication(s) filed on 18 June 1999 2a) This action is FINAL. (B) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-31 (s/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 5) Claim(s) is/are allowed. 7) Claim(s) is/are allowed. 8) Claim(s) is/are are subjected to. 8) Claim(s) is/are are subjected to by the Examiner. 10) The drawling(s) filed on is/are objected to by the Examiner. 11) The proposed drawing correction filed on is: a) approved b) disapproved. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). a) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. & 119(a). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. & 119(e).		Examiner	Art Unit	
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CR 1.136 (a). In no event, however, may a reply be timely filed after 51% (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory sprinded will apply and will expire SIX (5) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutory period will apply and will expire SIX (5) MONTHS from the mailing date of this specification. Following the period of the reply is specified above, the maximum statutory period will apply and will expire SIX (5) MONTHS from the mailing date of this specification is the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Status 1)② Responsive to communication(s) filled on 18 June 1999. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are rejected. 7) Claim(s) is/are abjected to. 8) Claims 1-31 are subject to restriction and/or election requirement. Application Papers 9) The proposed drawing correction filed on is/are objected to by the Examiner. 10) The drawing(s) filed on is/are objected to by the Examiner. 11) The proposed drawing correction filed on is/are objected to by the Examiner. 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). 2) Roteced in Application No. (Series Code / Serial Number) 3. received in this National Stage application from the Internati		Alonzo Chambliss	2814	
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Application/Control Number: 09/335,618

Art Unit: 2814

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-29 drawn to product, classified in class 257, subclass 678+.
 - II. Claims 30 and 31, drawn to process, classified in class 438, subclass 106+.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper. In the instant case, the process as claimed can be used to make other and materially different product, such as a product without having the encapsulant positioned to mechanically couple the semiconductor die to the printed circuit board.

Because these inventions are distinct for the reasons given above and acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

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application. Any amendment of inventorship must be accompanied by a petition under 37

CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

3. Any inquiry concerning the communication or earlier communications from the examiner

should be directed to Alonzo Chambliss whose telephone number is (703) 306-9143. The fax

phone number for this Group is (703) 308-7722 or 7724.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group receptionist whose telephone number is (703) 308-7956.

Olik Chaudhuri Supervisory Patent Examiner Technology Center 2800

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AC/September 17, 2000